

2008 — YASUDA Hideyuki

Scientific Papers/Commentary Articles

1. I.Ohnaka, A.Sugiyama, T.Ikeda, H.Yasuda, Mold Filling and prevention of gas entrapment in high-pressure die-casting, *J. Mater. Sci. Technol.*, 24, 139-140, 2008
2. Y. K. Zhang, J. Gao, D. Nagamatsu, T. Fukuda, and H. Yasuda, M. Kolbe, J. C. He, Reduced droplet coarsening in electromagnetically levitated and phase-separated Cu-Co alloys by imposition of a static magnetic field, *Scripta Materialia*, 59, 1002-1005, 2008
3. H.Yasuda, Y.Yamamoto, N.Nakatsuka, M.Yoshiya, T.Nagira, A.Sugiyama, I.Ohnaka, K.Uesugi, K.Umetani, In-situ observation of solidification phenomena in Al-Cu alloy and Fe-Si-Al alloy, *International Journal of Cast Metal Research*, in press, 2009
4. H.Yasuda, Y.Yamamoto, N.Nakatsuka, T.Nagira, M.Yoshiya, A.Sugiyama, I.Ohnaka, K.Umetani, K.Uesugi, In-situ observation of nucleation, fragmentation and microstructure evolution in Sn-Bi and Al-Cu alloys, *International Journal of Cast Metal Research*, 21, 125-128, 2008
5. H Yasuda, D Nagamatsu, T Yoshimoto, T Nagira, M Yoshiya, Y Yokoyama, A Inoue, Crystal Growth in the Bulk-Metallic-Glass Zr-based Alloys Using the DC + AC Levitation Method, *J. Phys.: Conf. Ser.*, 144, 012056, 2009
6. Y.Yokoyama, H. Fredriksson, H.Yasuda, M. Nishijima, A.Inoue, Glassy solidification criterion of Zr₅₀Cu₄₀Al₁₀ alloy, *J. Phys.: Conf. Ser.*, 144, 012044, 2009
7. J.Gao, Y.K.Zhang, T.Fukuda, H.Yasuda, M.Kolbe, J.C.He, Undercooling and Rapid Solidification of Cu₈₄Co₁₆ Alloys Under a Static Magnetic Field, *J. Phys.: Conf. Ser.*, 144, 012117, 2009

International Conference Proceedings

1. H.Yasuda, Y.Yamamoto, N.Nakatsuka, T.Nagira, M.Yoshiya, A.Sugiyama, I.Ohnaka, K.Umetani, K.Uesugi, In-situ observation of nucleation, fragmentation and microstructure evolution, *Proc. 10th Asian Foundry Congress (AFC10)*, 145-148, 2008
2. H.Yasuda, T.Nagira, M.Yoshiya, Fundamental of Grain Refinement: Nucleation and Fragmentation, *Proceedings of the 3rd Asian Workshop and Summer School on Electromagnetic Processing of Materials*, 153-156, 2008
3. A.Nakamura, H.Yasuda, T.Nagira, M.Yoshiya, S.Nishijima, Challenge for Fabrication of Crystalline Lattice Consisting of Monodispersed TiO₂ Particles by Means of Magnetic Field, *Proceedings of the 3rd Asian Workshop and Summer School on Electromagnetic Processing of Materials*, 123-125, 2008

4. H.YASUDA, T. FUKUDA, T.MIZUGUCHI, T.YOSHIMOTO, T.NAGIRA, M.YOSHIYA, M. HANAO, M.KAWAMOTO, Investigation of nucleation and growth of iron and steel by a levitation technique using alternating and static magnetic fields, Proceedings of the 4th International Congress on the Science and Technology of Steelmaking, 485-488, 2008
5. Tomoya Nagira, Hideyuki Yasuda, Masato Yoshiya and Takeharu Katou, HIGH TEMPERATURE STRENGTH OF THE Al₂O₃-YAG EUTECTIC COMPOSITE PRODUCED BY USING TRANSFORMATION FROM METASTABLE EUTECTIC TO EQUILIBRIUM EUTECTIC, Proceedings of the 3rd International Conference of Processing Materials for Properties, in press